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Customer No.:

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Docket No.: 05986/100K433-US2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Blas FRANGIONE; et al.

Serial No.:

NOT YET ASSIGNED

Confirmation No.:

Filed:

CONCURRENTLY HERewith

For:

SYNTHETIC IMMUNOGENIC BUT NON-AMYLOIDOGENIC PEPTIDES  
HOMOLOGOUS TO AMYLOID  $\beta$  FOR INDUCTION OF AN IMMUNE  
RESPONSE TO AMYLOID  $\beta$  AND AMYLOID DEPOSITS

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents

PO Box 1450

Alexandria, VA 22313-1450

Sir:

In order to comply with 37 CFR 1.97 and 1.98, attached hereto is a copy of  
Form PTO/SB/08A. Copies of the documents listed thereon were filed in the related  
application Serial No. 09/861,847, filed May 22, 2001.

In accordance with MPEP Sections 609 and 707.05(b), it is requested that each document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing Form PTO-1449 next to the document. Such initialing is requested even if the Examiner does not consider a cited document to be sufficiently pertinent to use in a rejection, or otherwise does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application.

This submission is filed before a first action on the merits has been mailed.

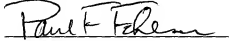
The present Information Disclosure Statement is being submitted in compliance with 37 CFR 1.56, but the citation of such document is not to be construed as an admission that such document is necessarily relevant or prior art. No representation is intended that the cited documents represent the results of a complete search, and it is anticipated that the Examiner, in the normal course of examination, will make an independent search and will determine the best prior art consistent with 37 CFR 1.104(a) and in the course of each search, will review for relevance every document cited on the attached form even if not initialed.

It is believed that no fee is due. However, if the Commissioner determines that a fee is due, the Commissioner is hereby authorized to charge Deposit Account No. 04-0100 for any deficiency.

Early and favorable consideration is earnestly solicited.

Dated: September 19, 2003

Respectfully submitted,



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Registration No. 35,135

Attorney for Applicant(s)

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Substitute for form 1449A/B/PTO			<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			Application Number	Not Yet Assigned	
			Filing Date	Concurrently Herewith	
			First Named Inventor	Blas Frangione	
			Art Unit	N/A	
			Examiner Name	Not Yet Assigned	
Sheet	1	of	2	Attorney Docket Number	05986/100K433-US2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> -Number <sup>3</sup> -Kind Code <sup>4</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	BA	WO 99/27944	6/10/1999	PCT A61K 38/00		
	BB	WO 95/31996	11/30/1995	PCT A61K 38/17		
	BC	WO 96/36834	12/19/1996	PCT A01N 43/40		
	BD	WO 99/279949	6/10/2000	PCT A61K 38/17		
	BE	WO 00/72880	12/07/2000	PCT A61K 39/395		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 601.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.			T <sup>2</sup>
	CA	Frenkel, D. et al.: "Modulation of Alzheimer's beta-amyloid neurotoxicity by site-directed single-chain antibody." NEUROIMMUNOMODULATION, vol. 6, no. 6, November 1999 (1999-11), page 444 XP008000891, 4 <sup>th</sup> International Congress of the International Society for Neuroimmunomodulation; Lugano, Switzerland; September 29-October 2, 1999. ISSN: 1021-7401, abstract.			
	CB	Solomon, B. et al.: "Disaggregation of Alzheimer Beta-Amyloid by Site-Directed Mab" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. Washington, US, vol. 94, April 1997 (1997-04), pages 4109-4112, XP002911322, ISSN: 0027-8424, the whole document.			
	CC	Sigurdsson, Einar M. et al.: "Immunization with a nontoxic/nonfibrillar amyloid-beta homologous peptide reduces Alzheimer's disease-associated pathology in transgenic mice." AMERICAN JOURNAL OF PATHOLOGY, vol. 159, no. 2, August 2001 (2001-08), pages 439-447, XP008000840, ISSN: 0002-9440, the whole document.			
	CD	Schenk, Dale et al.: "Immunization with amyloid- $\beta$ attenuates Alzheimer-disease-like pathology in the PDAPP mouse." NATURE, 1999, 400: pages 173-177.			
	CE	Aguado, T. et al.: "Meeting Report - Novel adjuvants currently in clinical testing November 2-4, 1998, Fondation Mérieux, Annecy, France: A meeting sponsored by the World Health Organization." VACCINE 17 (1999); pages 2321-2328.			
	CF	Palitito, Monica M. et al.: "Recognition Sequence Design for Peptidyl Modulators of $\beta$ -Amyloid Aggregation and Toxicity." BIOCHEMISTRY 1999, 38, pages 3570-3578.			
	CG	Futaki, S. et al.: "Arginine-rich peptides. An abundant source of membrane-permeable peptides having potential as carriers for intracellular protein delivery." J Biol. Chem. 2001, Feb. 23, 276 (8): 5835-40, abstract.			

Examiner Signature	Date Considered
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			Art Unit	N/A	
			Examiner Name	Not Yet Assigned	
Sheet	2	of	2	Attorney Docket Number	05986/100K433-US2

CH	Martinez-Fong, D. et al.: "Nonenzymatic glycosylation of poly-L-lysine: a new tool for targeted gene delivery." Hepatology 1994 Dec; 20(6): 1602-8.	
CI	Schwarzenberger, P. et al.: "Poly-L-lysine-based molecular conjugate vectors: a high efficiency gene transfer system for human progenitor and leukemia cells." Am J Med Sci 2001 Feb; 321 (2): 129-36.	
CJ	Wang, Y. et al.: "Endocytosis of horseradish peroxidase-poly-lysine conjugate by glomerular epithelial cells: an in vivo study." J Pathol 1989 Oct; 159(2): 159-67.	
CK	Shen, W.C. et al.: "Disulfide spacer between methotrexate and poly(D-lysine). A probe for exploring the reductive process in endocytosis." J Biol Chem 1985 Sep 15; 260(20): 10905-8.	
CL	Peterson, P.K. et al.: "Polyamino acid enhancement of bacterial phagocytosis by human polymorphonuclear leukocytes and peritoneal macrophages." Infect Immun 1984 Feb; 43(2): 561-6.	
CM	Deierkauf F.A., et al.: "Phagocytosis by rabbit polymorphonuclear leukocytes: the effect of albumin and polyamino acids on latex uptake." J Cell Physiol 1977 Aug; 92(2): 169-75.	
CN	Di Nicola, M. et al.: "Large-scale feasibility of gene transduction into human CD34+ cell derived dendritic cells by adenoviral/polycation complex." Br J Haematol 2000 Oct; 111(1):344-50.	
CO	Buschle M. et al.: "Transloading of tumor antigen-derived peptides into antigen-presenting cells." Proc Natl Acad Sci USA 1997 Apr 1; 94 (7): 3256-61.	
CP	Farmer, J.L. et al.: "Human immune response to cationized proteins. II. Characterization of interaction of cationized diphtheria toxoid with human mononuclear cells." Cell Immunol 1993 Jan; 146(1): 199-209.	

<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>2</sup>Applicant's unique citation designation number (optional). <sup>3</sup>Applicant is to place a check mark here if English language Translation is attached.

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